WHAT IS CLAIMED IS:

1. A battery comprising an electrode unit which is a power generation element housed in a battery can, and in which electricity can be taken out from a pair of negative and positive electrode terminals which are exposed outside the can, wherein a coating layer comprising a material of which one of the negative and positive electrode terminals is comprised is formed on a surface of the other of the negative and positive electrode terminals.

2. The battery according to claim 1, wherein the coating layer is formed by a cladding connection or plating on the surface of said other electrode terminal.

3. The battery according to claim 1, wherein the battery can comprises aluminum or aluminum alloy, the negative electrode terminal comprises a material selected from the group consisting of iron, nickel coated iron, nickel, copper, nickel coated copper and stainless steel, and the surface of the negative electrode terminal contains an aluminum layer or an aluminum alloy layer as a coating layer.

4. The battery according to claim 2, wherein the battery can comprises aluminum or aluminum alloy, the negative electrode terminal comprises a material selected from the group consisting of iron, nickel coated iron, nickel, copper, nickel coated copper and stainless steel, and the surface of the negative electrode terminal contains an aluminum layer or an aluminum alloy layer as a coating layer.

5. The battery according to claim 1, wherein the battery can comprises a material selected from the group consisting of iron, nickel plated iron, nickel, copper, nickel plated copper and stainless steel, and the positive electrode terminal comprises aluminum or aluminum alloy, and the surface of the positive electrode terminal contains a layer of iron, nickel plated iron, nickel, copper, nickel plated copper or stainless steel as a coating layer.

6. The battery according to claim 2, wherein the battery can comprises a material selected from the group consisting of iron, nickel plated iron, nickel, copper, nickel plated copper and stainless steel, and the positive electrode terminal comprises

aluminum or aluminum alloy, and the surface of the positive electrode terminal contains a layer of iron, nickel plated iron, nickel, copper, nickel plated copper or stainless steel as a coating layer.